Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/18/2022 08:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123933	-1	1.60	123861	1.58
Blue	F	SSC	125000	122906	-2	3.07	123385	2.97
Blue	E	FITC	13602	13179	-4	2.49	369	13.85
Blue	D	PE	24891	24476	-2	1.89	581	10.64
Blue	B	PerCP-Cy5-5	33972	33282	-3	3.16	948	15.07
Blue	A	PE-Cy7	22865	22675	-1	5.10	468	30.93
Red	C	APC	47198	46711	-2	2.61	1613	11.41
Red	A	APC-Cy7	26454	25651	-4	3.16	727	11.92
Violet	B	V450	6737	6493	-4	3.76	453	11.67
Violet	A	V500	29317	28086	-5	3.32	961	8.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24035	2.80	539	4	N/A	N/A	Pass
Blue	F	SSC	55167	2.22	519	-2	N/A	N/A	Pass
Blue	E	FITC	56	53.22	488	4	0.0392	52	Pass
Blue	D	PE	113	39.41	491	5	0.3974	319	Pass
Blue	B	PerCP-Cy5-5	148	41.74	584	5	0.0194	63	Pass
Blue	A	PE-Cy7	79	78.17	627	6	0.0216	0	Pass
Red	C	APC	338	25.60	572	0	0.0284	174	Pass
Red	A	APC-Cy7	135	34.73	549	-2	0.0071	1700	Pass
Violet	B	V450	76	46.71	448	-2	0.0496	1850	Pass
Violet	A	V500	113	30.20	467	-2	0.0247	666	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.92	-31.53	1.05
Blue	20.36	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	16.48	13.90 - 20.86	N/A	N/A	29.92	30.22	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12574

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments